



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 03rd November 2022

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली – 110016
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई –400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह , लापलंग, शिलोंग – 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक , द.क्षे.भा.प्रे.के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 02.11.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-नवंबर-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध है ।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 02nd November 2022, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 03-Nov-2022

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	48198	52868	40777	21224	2768	165835
Peak Shortage (MW)	0	0	0	1074	0	1074
Energy Met (MU)	1039	1243	903	451	51	3686
Hydro Gen (MU)	153	36	159	74	23	446
Wind Gen (MU)	9	33	23	-	-	66
Solar Gen (MU)*	103.22	51.80	69.01	4.89	-	230
Energy Shortage (MU)	1.11	0.00	0.00	3.70	0.00	4.81
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50214	57457	43732	21656	2903	171407
Time Of Maximum Demand Met (From NLDC SCADA)	18:57	11:02	09:54	17:35	17:22	18:48

B. Frequency Profile (%)

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.043	0.35	1.19	8.51	10.05	79.78	10.17

C. Power Supply Position in States

Region	States	Max.Demand Met during the day(MW)	Shortage during maximum Demand(MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
NR	Punjab	6343	0	130.0	38.8	-1.1	16	0.00
	Haryana	6355	0	132.1	65.1	-0.7	79	0.00
	Rajasthan	14226	0	276.6	99.6	1.7	366	0.00
	Delhi	3721	0	72.3	65.3	-1.2	100	0.00
	UP	16191	0	302.4	85.2	2.2	648	0.44
	Uttarakhand	1889	0	36.1	22.4	0.8	139	0.17
	HP	1840	0	32.8	18.0	0.0	94	0.16
	J&K(UT) & Ladakh(UT)	2545	0	53.2	46.9	-0.5	238	0.34
	Chandigarh	192	0	3.5	3.3	0.2	35	0.00
	WR	Chhattisgarh	4098	0	89.9	38.7	0.0	608
Gujarat		17955	0	364.4	229.4	-2.9	779	0.00
MP		12242	0	254.4	150.9	-3.2	334	0.00
Maharashtra		22219	0	480.5	153.4	0.9	641	0.00
Goa		643	0	11.8	12.3	-1.2	45	0.00
DNHDDPDCL		1145	0	26.2	26.0	0.2	84	0.00
AMNSIL		728	0	15.3	9.0	-0.1	257	0.00
SR	Andhra Pradesh	8398	0	179.1	60.5	0.4	727	0.00
	Telangana	9107	0	171.6	19.0	-0.3	632	0.00
	Karnataka	9834	0	182.3	59.2	-0.2	644	0.00
	Kerala	3666	0	76.9	49.7	0.5	212	0.00
	Tamil Nadu	13670	0	284.5	156.6	-0.5	380	0.00
	Puducherry	371	0	8.1	7.7	-0.3	29	0.00
ER	Bihar	4357	351	87.8	76.6	0.2	146	1.15
	DVC	3202	0	67.5	-34.8	-1.1	361	0.00
	Jharkhand	1609	0	28.9	19.9	0.3	217	2.55
	Odisha	5422	0	116.7	33.8	-0.8	482	0.00
	West Bengal	7826	0	148.9	9.4	-1.3	386	0.00
NER	Sikkim	104	0	1.6	1.7	-0.1	16	0.00
	Arunachal Pradesh	129	0	2.2	2.4	-0.3	24	0.00
	Assam	1709	0	30.5	22.0	0.7	101	0.00
	Manipur	208	0	2.7	2.6	0.1	45	0.00
	Meghalaya	364	0	6.5	5.0	-0.2	38	0.00
	Mizoram	121	0	1.7	1.3	-0.3	13	0.00
	Nagaland	150	0	2.3	2.0	0.0	24	0.00
	Tripura	283	0	4.9	3.9	0.4	80	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual (MU)	12.6	3.2	-24.5
Day Peak (MW)	661.0	179.0	-1102.0

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	147.9	-14.1	41.9	-170.0	-5.7	0.0
Actual(MU)	149.1	-19.2	42.9	-170.7	-5.7	-3.5
O/D/U/D(MU)	1.2	-5.1	1.1	-0.7	0.0	-3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8163	16461	8588	3350	747	37309	51
State Sector	9875	15904	8415	1800	149	36142	49
Total	18038	32364	17003	5150	896	73451	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	616	1125	476	564	15	2794	72
Lignite	33	12	51	0	0	96	2
Hvdro	152	36	159	74	23	444	12
Nuclear	26	40	70	0	0	136	4
Gas, Naptha & Diesel	14	5	3	0	25	45	1
RES (Wind, Solar, Biomass & Others)	118	86	133	5	1	342	9
Total	959	1302	892	643	63	3859	100

Share of RES in total generation (%)	12.33	6.59	14.87	0.77	1.38	8.88
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.90	12.43	40.59	12.34	37.76	23.92

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
Based on State Max Demands	1.067

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 03-Nov-2022

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	HVDC	ALIPURDUAR-AGRA	2	0	652	0.0	15.2	-15.2	
2	HVDC	PUSAULI B/B	2	0	346	0.0	8.5	-8.5	
3	765 kV	GAYA-VARANASI	2	0	865	0.0	10.3	-10.3	
4	765 kV	SASARAM-FATEHPUR	1	0	518	0.0	7.7	-7.7	
5	765 kV	GAYA-BALIA	1	0	514	0.0	9.5	-9.5	
6	400 kV	PUSAULI-VARANASI	1	0	253	0.0	5.2	-5.2	
7	400 kV	PUSAULI-ALLAHABAD	1	0	170	0.0	3.2	-3.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	831	0.0	13.0	-13.0	
9	400 kV	PATNA-BALIA	2	0	367	0.0	5.2	-5.2	
10	400 kV	NAUBATPUR-BALIA	2	0	391	0.0	5.7	-5.7	
11	400 kV	BIHARSHARIFF-BALIA	2	0	367	0.0	4.2	-4.2	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	397	0.0	6.5	-6.5	
13	400 kV	BIHARSHARIFF-VARANASI	2	44	336	0.0	3.3	-3.3	
14	220 kV	SINPUR-BIKRAMNASHA	1	20	88	0.0	0.9	-0.9	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.0	0.3	0.3	
17	132 kV	KARMANASA-SAHUPURI	1	0	16	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.3	98.4	-98.0
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	490	266	0.6	0.0	0.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	647	563	3.0	0.0	3.0	
3	765 kV	JHARSUGUDA-DURG	2	0	639	0.0	10.7	-10.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	637	0.0	6.7	-6.7	
5	400 kV	RANCHI-SIPAT	2	145	271	0.0	0.5	-0.5	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	162	0.0	1.9	-1.9	
7	220 kV	BUDHIPADAR-KORBA	2	103	59	1.0	0.0	1.0	
						ER-WR	4.7	19.8	-15.2
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	330	0.0	7.4	-7.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1642	0.0	39.5	-39.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2404	0.0	40.9	-40.9	
4	400 kV	TALCHER-T/C	2	0	363	0.0	7.0	-7.0	
5	220 kV	BALMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	87.8	-87.8
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	0	474	0.0	7.4	-7.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	127	286	0.0	2.0	-2.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	48	0.0	0.7	-0.7	
						ER-NER	0.0	10.1	-10.1
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	702	0.0	16.7	-16.7	
						NER-NR	0.0	16.7	-16.7
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	323	0.0	7.5	-7.5	
2	HVDC	VINDHYACHAL B/B	2	438	0	12.1	0.0	12.1	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	0	0.0	0.0	0.0	
4	765 kV	GWALIOR-AGRA	2	0	1311	0.0	18.4	-18.4	
5	765 kV	GWALIOR-PHAGI	2	0	2399	0.0	38.4	-38.4	
6	765 kV	JABALPUR-ORAI	2	0	619	0.0	22.5	-22.5	
7	765 kV	GWALIOR-ORAI	1	1062	0	16.8	0.0	16.8	
8	765 kV	SATNA-ORAI	1	0	879	0.0	18.8	-18.8	
9	765 kV	BANASKANTHA-CHITORGARH	2	2253	0	36.6	0.0	36.6	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1878	0.0	29.4	-29.4	
11	400 kV	ZERDA-KANKROLI	1	367	0	6.0	0.0	6.0	
12	400 kV	ZERDA-BHINMAL	1	605	0	8.1	0.0	8.1	
13	400 kV	VINDHYACHAL-RIHAND	1	484	0	10.8	0.0	10.8	
14	400 kV	RAPP-SHULIAPUR	2	406	343	1.9	2.2	-0.3	
15	220 kV	BHANUPUR-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANUPUR-MORAK	1	0	30	0.0	1.7	-1.7	
17	220 kV	MEHGAON-AURAIYA	1	121	0	1.0	0.0	1.0	
18	220 kV	MALANPUR-AURAIYA	1	94	0	1.4	0.0	1.4	
19	132 kV	GWALIOR-SAWAIMADHOPUR	1	0	0	0.0	0.0	0.0	
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	94.7	138.8	-44.2
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	693	0	16.8	0.0	16.8	
2	HVDC	RAIGARH-PUGALUR	2	0	604	0.0	14.6	-14.6	
3	765 kV	SOLAPUR-RAICHUR	2	1057	753	8.0	2.2	5.8	
4	765 kV	WARDHA-NIZAMABAD	2	0	1837	0.0	21.2	-21.2	
5	400 kV	KOLHAPUR-KUDCI	2	1095	0	20.7	0.0	20.7	
6	220 kV	KOLHAPUR-CHIKODI	1	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0	
8	220 kV	XELDEM-AMBEWADI	1	0	112	2.1	0.0	2.1	
						WR-SR	47.6	38.0	9.7
INTERNATIONAL EXCHANGES									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)			
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	173	0	127	3.1			
		400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	390	0	360	8.6			
	NER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	104	0	64	1.5			
		132kV GELEPHU-SALAKATI	11	2	6	0.2			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.0			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	179	70	132	3.2			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-940	-749	-885	-21.2			
		132kV COMILLA-SURAJMANJANAGAR 1&2	-162	0	-138	-3.3			